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... supply voltage is typically selected at design-time using corner analysis. ... Razor:

A Low-Power Pipeline Based on Circuit-Level Timing Speculation ...

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... In much the same way that logic and timing simulators are ... weak points in the design, and estimate the total circuit static bit error ... CAD circuit schematic 7-Y ...

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... Section 6 discusses the implications of our analysis and sim ... that it does not affect the result of the circuit. ... presented in this paper we use static NAND gates ...

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... The synthesized circuit contains over 1200 single-event ... among Functional Blocks Another static analysis that can ... dynamic path analysis or timing simulation is a ...

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... a second-order loop with zero static phase error ... KIM et al.: HYBRID ANALOG/DIGITAL CLOCK RECOVERY CIRCUIT ... A first-order analysis of thermal noise accumulation ...

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N Kaul, BL Bhuvra, SE Kerns - Nuclear Science, IEEE Transactions on, 1991 - [ieeexplore.ieee.org](#)
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R Ginosar - Asynchronous Circuits and Systems, 2003. Proceedings. Ninth ..., 2003 - ieeeexplore.ieee.org

... to guarantee the **timing** of the output of the combinational **circuit**. ... **Static timing** analysis would generate setup and hold violation warnings for every signal ...

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FN Najm, R Burch, P Yang, IN Hajj - Computer-Aided Design of Integrated Circuits and Systems, ..., 1990 - ieeeexplore.ieee.org

... what information about the current is needed for EM **analysis**. ... that can be applied at the **circuit** inputs during ... therefore, to use a standard **timing** simulator to ...

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R Burch, F Najm, P Yang, D Hooever - Annual ACM IEEE Design Automation Conference: Proceedings of ..., 1988 - eecg.utoronto.ca

... because it causes the worst **timing** delay and ... get the **total** expected current waveform for the **circuit**. ... For **static** signal probabilities (as opposed to probability ...

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Estimation of maximum current envelope for power bus analysis and design

S Bobba, IN Hajj - Proceedings of the 1998 international symposium on Physical ..., 1998 - portal.acm.org

... h dramatically increases the **failure rate** of interconnects ... can be obtained by performing a **static timing analysis**. ... controlled syn-chronous **circuit** switch at ...

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C Constantinescu - Dependable Systems and Networks, 2002. Proceedings. ..., 2002 - ieeeexplore.ieee.org

... faults for CMOS microprocessors and **static** and dynamic ... **analysis** showed that a VLSI **circuit** experienced clock ... These **timing** violations were responsible for multi ...

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Method for evaluating the timing of digital machines with statistical variability in their delays - all 3 versions »

WE Donath, RB Hitchcock, JP Soreff - US Patent 5,365,463, 1994 - freepatentsonline.com

... delay spreads peculiar to each **circuit** type ... A further **analysis** is then required to find ... specifications only provide improvement over **static timing** techniques at ...

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S Rotem, K Stevens, R Ginosar, P Bearel, C Myers, ... - Proc. International Symposium on Advanced Research in ..., 1999 - doi.ieeeecs.org

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CS Li, KN Sivarajan, DG Messerschmitt, IBMTJWR ... - Very Large Scale Integration (VLSI) Systems, IEEE ..., 1999 - ieeeexplore.ieee.org
... environment in which there is no circuit noise or ... 1) Conventional Pipelining: In this scheme, the timing constraint in ... to T 0 t setup static j ; static ...

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Printed Circuit Design & Fab - Timing Analysis Principles for ...

In **static timing analysis**11, signal paths are ascertained by tracing the design ... and detect several types of **timing violations** including setup and hold. ...
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May 4, 2006 ... variations increases, **corner-based static timing analysis** (STA) ... verification and to precisely determine **timing violations**, the ...
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"Exhaustive corner analysis is **exhausting**," said Chandu Visweswariah, ... transition from gate-level timing simulation to **static timing** analysis before it ...

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static timing analysis of the design and dynamic **timing**. **simulation** patterns and 3 **simulation** corners on an average for each. type of pattern. ...

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timing simulation. The design team integrates these tools into a circuit blocks, the effort involved in static timing analysis can be ...

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lumped gate delay model is used for performing **timing**-based hazard. analysis. The earliest and the latest expected signal arrival times., obtained by **Static** ...

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DeepChip: ESNUG Post 0322: > John, I was looking through some of ...

It is actually a pretty powerful **static timing** analyser that doesn't need mechanism - Automatic generation of **simulation model** together with a ready ...

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The **simulation** consists of an initialisation phase, where **static** patch data ... fuel in a patch is exhausted and no further burning events occur for that ...

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Context-sensitive constraint driven unification and ...

The method of claim 5, wherein said constraint for **timing** of said cell comprises circuit topology, model extraction technology, transistor **simulation** ...

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